1. CERTIFICATE NUMBER: 52-R-0007

CUSTOMER NUMBER: 493

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Virginia Commonwealth University Division Of Animal Resources P.O. Box 980630 Richmond, VA 23298

Telephone: (804) -828-9837

3. REPORTING FACILITY ( List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

#### FACILITY LOCATIONS (Sites) - See Atached Listing

A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F.  TOTAL NUMBER OF ANIMALS  ( COLUMNS C + D + E )
4. Dogs			33		33
5. Cats			18		18
6. Guinea Pigs		52	253	30	335
7. Hamsters			8	·	8
8. Rabbits		24	646		670
9. Non-human Primate	12		48	31	91
IO. Sheep					
I1. Pigs			107		107
2. Other Farm Animals					
3. Other Animals					
Ferrets		14	171		185
Frogs		47	13		60

#### **ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestatic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered atternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print

DATE SIGNED

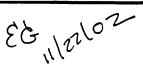
11/21/2002

APHIS FORM 7023

SIGN

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.

( AUG 91 )



## Column E Explanation

This form is intended as an aid to completing the Column E explanation. It is not an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

1.	Registration Number:	52-R-007
2.	Number31	of animals used in this study.
3.	Species (common name)	rhesus of animals used in the study.
4.	Explain the procedure produc	ing pain and/or distress.
	drug dependence liabs physically dependent spontaneous withdraws During this time they of the observatiod pean injection of morph repetitive in nature each occasion. Many the appearance of the	nkeys were used as part of our program to evaluate allity of new compounds. These rhesus monkeys are on morphine and periodically allowed to go into all or withdrawal is precipitated by opiod antagonists. It undergo moderate to severe stress. On completion eriod, withdrawal signs and symptoms are relieved by mine. It is important to note that these experiments are an A new investigational chemical is being tested on of these chemicals are opiod in nature and prevent withdrawal signs and symptoms.
		why pain and/or distress could not be relieved. State methods or means used to tress relief would interfere with test results. (For Federally mandated testing,
	As indicated above, mand the experiment is	d by this procedure is the end-point being measured.  Many of the compounds tested relieve these symptoms  So terminated immediately after the observation  Solution of morphine which also relieves the withdrawal
		ns require this procedure? Cite the agency, the code of Federal Regulations ecific section number (e.g., APHIS, 9 CFR 113.102):
	The results from our making decisions cond Agency	testing program are used by both the FDA and DEA in erning the Controlled Substances ActCFR

# Column E Explanation

This form is intended as an aid to completing the Column E explanation. It is not an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists

2. Number 30 of animals used in this study.  3. Species (common name) <u>guinea pig</u> of animals used in the study.  4. Explain the procedure producing pain and/or distress.  This laboratory uses a well-defined guinea pig model of gallbladder inflamation (acute cholecystitis) to evaluate the mechanisms that initiate acute inflamation.  5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see Item 6 below)  Since analgesics inhibit inflamation as part of their action, they would interfere with the study results. Most animals get analgesics/antiinflamatory drugs as part of the experimental protocol, but about 30% do not.  6. What if any, federal regulations require this procedure? Cite the agency, the code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):	:	1. Registration Number: 52-R-007
<ol> <li>Explain the procedure producing pain and/or distress.</li> <li>This laboratory uses a well-defined guinea pig model of gallbladder inflamation (acute cholecystitis) to evaluate the mechanisms that initiate acute inflamation.</li> <li>Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see Item 6 below)</li> <li>Since analgesics inhibit inflamation as part of their action, they would interfere with the study results. Most animals get analgesics/antiinflamatory drugs as part of the experimental protocol, but about 30% do not.</li> <li>What, if any, federal regulations require this procedure? Cite the agency, the code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):.</li> </ol>		2. Numberof animals used in this study.
This laboratory uses a well-defined guinea pig model of gallbladder inflamation (acute cholecystitis) to evaluate the mechanisms that initiate acute inflamation.  5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see Item 6 below)  Since analgesics inhibit inflamation as part of their action, they would interfere with the study results. Most animals get analgesics/antiinflamatory drugs as part of the experimental protocol, but about 30% do not.  6. What, if any, federal regulations require this procedure? Cite the agency, the code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):		3. Species (common name) guinea pig of animals used in the study.
<ol> <li>for (acute cholecystitis) to evaluate the mechanisms that initiate acute inflamation.</li> <li>Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see Item 6 below)</li> <li>Since analgesics inhibit inflamation as part of their action, they would interfere with the study results. Most animals get analgesics/antiinflamatory drugs as part of the experimental protocol, but about 30% do not.</li> <li>What, if any, federal regulations require this procedure? Cite the agency, the code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):_</li> </ol>	4	4. Explain the procedure producing pain and/or distress.
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6. What, if any, federal regulations require this procedure? Cite the agency, the code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):_	:	interfere with the study results. Most animals get analgesics/antiinflamatory
(CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):		didgs as part of the experimental protocol, but about 50% do not.
(CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):		
(CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):		
(CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):		
Agency N/ACFR N/A	6.	
		Agency N/A CFR N/A

See reverse side for additional information. ency Report Control No

2002

0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 52-R-0001

CUSTOMER NO. 498

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

See Attached Listing

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code) **BLUE RIDGE COMMUNITY COLLEGE** 

U.S. ROUTE 11 WEYERS CAVE, VA 24486

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary \

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A) 8. Number of Number of D. Number of animals upon E. Number of animals upon which teaching, animals being animals unon which experiments experiments, research, surgery or tests were Animais Covered bred, which teaching. teaching, research. conducted involving accompanying pain or distress TOTAL NO. OF ANIMALS By The Animal conditioned, or surgery, or tests were to the animals and for which the use of appropriate Weifare Regulations conducted involving held for rise in experiments, or anesthetic, analgesic, or tranquilizing drugs would teaching, testing, accompanying pain or (Cols. C+ tests were have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, conducted distress to the animals 0 + E) research or involving no and for which appropriate experiments, surgery, or tests. (An explanation of surgery but not the procedures producing pain or distress in these animals and the reasons such drugs were not used pain distress or anesthetic analgesic or yet used for such use of paintranquilizing drugs were purposes. relieving drugs. must be attached to this report) 4. Dogs 5. Cats 0 6. Guinea Pigs 0 0 7. Hamsters 8 Rabbits 0 0 9. Non-Human Primates 0 10. Sheep 11 Pigs 12. Other Farm Animals 7 Cattle 13. Other Animals 4

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.

ASSURANCE STATEMENTS

- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY C	FFICIAL
(Chief Executive Officer or Legally Responsible Institutional)	official)

I codify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

10/29/02

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

FACILITY LOCATIONS(sites)

DEC 18 2002 See attached form for additional information

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 52-R-0002

CUSTOMER NUMBER: 504

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

College Of William And Mary P.O. Box 8795

Williamsburg, VA 23187

Telephone: (804) -221-3967

3. REPORTING FACILITY ( List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary )

Biology Department

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS	JSED BY OR UNDER C	CONTROL OF RESEAR	CH FACILITY ( Attach additiona	i sheets if necessary or use APHIS Form 7023A \	
A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F.  TOTAL NUMBER OF ANIMALS  (COLUMNS C+D+E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters			·		
8. Rabbits					
9. Non-human Primate					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
white-footed mones	285	2588°	345	0	2933
white-footed mons deer mouse	790	48	0	٥	48

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- principal for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

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	CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)	
SIGNATURE OF C.F.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of P	Print DATE SIGNED
		12/10/02

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. CERTIFICATE NUMBER: 52-R-0003

FORM APPROVED OMB NO. 0579-0036

CUSTOMER NUMBER: 497

Eastern Virginia Medical School 358 Mowbray Arch P.O. Box 1980 Norfolk, VA 23501

Telephone: (804) -446-6010

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, or experimentation, or held for these purposes. Attach additional sneets if necessary)

FACILITY LOCATIONS (Siles) Division of Comparative Medicine, Lewis Hall

A.  Animals Covered By The Animal Welfare Regulations	an br co he te: te: ex	umber of nimals being- red poditioned, or eld for use in aching, siting, speriments, esearch, or urgery but not ye	C. Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F.  TOTAL NUMBE OF ANIMALS  ( COLUMNS C + D + E)
4. Dogs			11				11
5. Cats							0
6. Guinea Pigs							0
7. Hamsters			46				46
8. Rabbits			229			,	229
9. Non-human Primate		112	95				207
10. Sheep							0
11. Pigs			53				53
12. Other Farm Animals							
13. Other Animals							
				-			
	+			+-			+

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anisstetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

	(Chief Executive Officer or Legally Responsible Institutional Official)	
SIGNATUR	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print	DATE SIGNED
		1,

10/22/02

1. CERTIFICATE NUMBER: 52-R-0004

CUSTOMER NUMBER: 498

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

George Mason University Asst Director Of Research Compliance 4400 University Drive, Ms 4c6 Fairfax, VA 22030

Telephone: (703) -993, 2298

3. REPORTING FACILITY ( List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary )

David King Hall Rms. 2036 and 2038 FACILITY LOCATIONS (Sites) - See Atached Listing Krasnow Building Room 122

A	В	Number of	C.	Number of	D	Number of animals	E. Number of animals upon which teaching,	
Animals Covered By The Animal Welfare Regulations	<i>b</i> .	animals being bred conditioned, of held for use in teaching, testing, experiments, research, or surgery but not ye	<b>J</b> .	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain- relieving drugs.	J.	upon which experiments, teaching, rescarch, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and fur which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	ALS MNS
4. Dogs							0	
5. Cats							0	
6. Guinea Pigs							0	
7. Hamsters							0	
8. Rabbits							0	
9. Non-human Primate							0	
10. Sheep							0	
11. Pigs							0	
12. Other Farm Animals							0	
13. Other Animals							0	

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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	CERTIFICATION BY HEADQUARTERS RESEARCH FACT Chief Executive Officer or Legally Responsible Institution		
SIGNA	NAME & TITLE OF C.E.O. OR INST	FITUTIONAL OFFICIAL (Type or Print	DATE SIGNED 12/17/02
481116		<del></del>	

See reverse side for additional information. Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1 REGISTRATION NO 52-R-0006

CUSTOMER NO. 507

FORM APPROVED OMB NO. 0579-0036

# ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, COVANCE LABORATORIES INC. NOV 29 2002 include Zip Code)

VIENNA, VA 22182 KYRSH 8985500 (703) 245-2200

sheets if necessary.)	tai research, tesurity, teaching, or experimentation, or	Tied to trese purposes. Allact additional					
FACILITY LOCATIONS(sites)							
See Attached Listing							

Animals Covered By The Animal Weifare Regulations	8. Number of animals being bred. conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs	1308	823	485	0	1308
5. Cats	0	0	0	0	0
6. Guinea Plgs	0	0	0	. 0	0
7. Hamsters	13	13	0	00	0
8. Rabbits	1661	264	1397	0	1661
9. Non-Human Primates	2121	1883	238	0	2121
10. Sheep	0	0	0	0	00
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	· 0
13. Other Animals	0	0	0	0	0

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL	
(Chief Executive Officer or Legally Responsible Institutional official)	
bove is true, correct, and complete (7 U.S.C. Section 2143)	
NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) DATE SIGNED	D
1/0-/	1
	>

1. CERTIFICATE NUMBER: 52-R-0009

CUSTOMER NUMBER: 494

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Old Dominion University 210-New Administration Bldg

NOCOK.VA 23529

Office of Research 2035 Hughes Hall Norfolk, VA 23529

Telephone: (804)-683-3707

(757) 683-3460

3. REPORTING FACILITY ( List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary )

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY ( Attach additional sheets if necessary or use APHIS Form 7023A )					
A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F.  TOTAL NUMBER OF ANIMALS  ( COLUMNS C + D + E )
4. Dogs		!			
5. Cats					
6. Guinea Pigs					
7. Hamsters	6		133		139
8. Rabbits	8		91		99
9. Non-human Primate					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
	•				

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

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	CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)	
s	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL / Type or Print	DATE SIGNED
l		11/15/02

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

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OCT 07 2002 ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. CERTIFICATE NUMBER: 52-R-0011

CUSTOMER NUMBER: 495

FORM APPROVED OMB NO. 0579-0039

University Of Virginia

Washington Hall E Range 314 MADISON HALL Office Of The Vice President For Research Charlottosville, VA-22908- 22904

434 Telophone: <del>(804)</del>-924-3606 Fax (434) 924-3667

A REPORTING FACILITY ( List all locations where animals were housed or used in actual research, lessing, or build for meta purposes. Allsen additional sinetic if necessary )

FACILITY LOCATIONS ( Sites ) - See ATPENCE LISTING

Animais Covered By The Animai Welfare Regulations	8. Number of onlimits being bred, conditioned, or has a fer use in leaching, teeling, experiments, research, or owgery but not ye	C. Rumber of single upon union reacting, research, experiments, or lests well conducted irreating no pain, distreau, urase of pain, relieving drugs.	D. Number of animal suport writing repairments, least sing, research, surper 1 or tests were candulated involving accompanying pain or districts to the en mais and for which accomplishe area resic, a	E. Number of animals upon which teaching, experiments, research, surgory or teats were conducted involving accompanying poin or discress to the animals and far which the use of appropriate animalistic abaleasis, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the teaching research, experiments, surgery, or tests. (An explanation of the propositives producing pain or distress in tress estimate and the reasons such drugs were not used must be attached to	TOTAL NUMBER  DE ANIMALS  (COLUMNS  C+D+E)
4. Dogs	0	38	264	0	302
5. Cate	0	4	0	0	4
8, Guines Pigs	76	24	18	0	42
7. Hamsters	126	34	224	0	258
e. Rabbits	264	98	689	0	<b>7</b> 87
9. Non-human Primaye	0	9	_0	0	9
10. Sheep	0	0	16	0	16
1. Pigs	6	0	162	0	162
2. Other Farm Animals					
Musk shrews	132	.i100	100	0	200
3, Other Animais					
Ferrets	9	72	0	0	72
Gerbil	0	0	21	Ó	21

## ASSURANCE STATEMENTS

( NE DIM )

- Protessionary acceptable standards governing the care, treatment, and use of primate, including ap topriete use of anastatic, analysis, and transplitting drugs, prior (d. during, and following account passanch, leading, lessing, surgery, or experimentation were totaled by the feesanch facility
- This tacking is specing to see standards and nequisitative Aris, and it has required that arise where we requisitated by the reputational Arimst Care and Use Committee (ACUC). A summer of all such exceptions is attached to this annual report, in addition to idensifying its facility approved exceptions, this automatey installes a bright explanation of the exception, as well at the species and number of arimsta officially.

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CERTIFICATION BY HEADQUARTER I NESTANCIN FACILITY OFFICIAL (Chief Executive Officer of Legally RI sponsible Institutional Official)						
\$i		NAME & TITLE OF C.F.O. OR INSTITUTIONAL DEFICIAL. / Type or Print	DATE SIGNED			
APHIS FORM 7023	(RPdistes VS FORM 19-23 (OCT BID exict) is apparatus	_	10/2/0			

1. CERTIFICATE NUMBER: 52-R-0012

> CUSTOMER NUMBER: 492

FORM APPROVED OMB NO 0570 0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

V A Polytechnic Institute & State University 110 Litton-Reaves Hall Blacksburg, VA 24061

Telephone: (540) -231-4991

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

## FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F.  TOTAL NUMBER OF ANIMALS  (COLUMNS C+D+E)
4. Dogs	10	13	338	0	351
5. Cats	33	28	72	0	100
6. Guinea Pigs	0	0	9	0	9
7. Hamsters	0	0	0	0	0
8. Rabbits	0	9	5	0	14
9. Non-human Primate	0	0	0	0	0
10. Sheep	0	2	54	0	56
11. Pigs	35	18	5	0	23
12. Other Farm Animals G	bats 0	55	20	0	75
Horses	0	10	50	0	60
13. Other Animals Catt	le 0	5	1	0	6
Bears	0	14	1	0	15
Punare	16	0	0	0	• 0
Peromyscus	60	100	0	0	100

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL ( Chief Executive Officer or Legally Responsible Institutional Official )					
CIONATUDE AT & E AD INCTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print	DATE SIGNED			

additional information

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 52-R-0012 Cust. #: 492

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

CONTINUATION SHEET FOR ANNUAL REPORT

VA Polytechnic Institute & State University

110 Litton-Reaves Hall Blacksburg, VA 24061-0329

Telephone: (540) 231-4991

NOV 2 1 2002

OF RESEARCH FACILITY
(TYPE OR PRINT)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use this form.) B. Number of C Number of E. Number of animals upon which teaching. D. Number of animals upon animals being experiments, research, surgery or tests were animals upon which experiments, bred. which teaching, conducted involving accompanying pain or distress **Animals Covered** teaching, research, conditioned, or to the animals and for which the use of appropriate By The Animal research. TOTAL NO. surgery, or tests were held for use in anesthetic, analgesic, or tranquilizing drugs would experiments, or Welfare Regulations OF ANIMALS conducted involving tesis were teaching, testing, have adversely affected the procedures, results, or accompanying pain or interpretation of the teaching, research. experiments. conducted distress to the animals research, or experiments, surgery, or tests. (An explanation of (Cols. C + D + E) on pnivlovni and for which appropriate pain, distress, or surgery but not the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used 12. &/OR 13. Other use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs (List by species) 50 0 0 20 50 Microtus (voles)

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the listitutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

animal care and use.	(Chief Executive	Y HEADQUARTES RESEARCH FACILITY OFFICIAL Officer or Legally Responsible Institutional Official) e above is true, correct, and complete (7 U S C Section 2143)	
	ONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
			11/13/02

1. CERTIFICATE NUMBER: 52-R-0013

CUSTOMER NUMBER: 482

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Washington And Lee University Parmly Hall Lexington, VA 24450

458

Telephone: (540) -463-8895

3. REPORTING FACILITY ( List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY ( Attach additional sheets if necessary or use APHIS Form 7023A )					
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F.  TOTAL NUMBER OF ANIMALS  ( COLUMNS C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters	16		80		80
8. Rabbits					
9. Norr-human Primate					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Gerbils		10			10
Salamanders					3
Red-backed)	20	120			120
ASSLIDANCE STATEMENTS					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

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		Y HEADQUARTERS RESEARCH FACILITY OFFICIAL Officer or Legally Responsible Institutional Official)	
SIGNATURE OF ME O OR METITITIONAL OFFICIAL	,	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print	DATE SIGNED 11-25-02

1. CERTIFICATE NUMBER: 52-R-0014

CUSTOMER NUMBER: 753

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Duncroft, Inc. 39166 Irish Comer Rd. Lovettsville, VA 20180

Telephone: (540) -822-5883

3. REPORTING FACILITY ( List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY ( Attach additional sheets if necessary or use APHIS Form 7023A )				
A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F.  TOTAL NUMBER OF ANIMALS  ( COLUMNS C + D + E )
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	36	14	2	٥	16
9. Non-human Primate					
10. Sheep	17	0	0	0	0
11. Pigs					
12. Other Farm Animals					
GOATS	104	60	٥	0	60
13. Other Animals			-		
					\$

## ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL ( Chief Executive Officer or Legally Responsible Institutional Official)					
CICHATHDE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print	DATE SIGNED			
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This report is required by law (7 USC 2143). Failure to report according to the regulations can

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 52-R-0029

CUSTOMER NUMBER: 483

FORM APPROVED V

ANNUAL REPORT OF RESEARCH FACILITY

( TYPE OR PRINT )

Northern Virginia Community College Veterinary Technology Program 1000 Harry Flood Byrd Highway Sterling, VA 20164

Telephone: (703) -450-2525

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY ( Attach additional sheets if necessary or use APHIS Form 7023A )					
A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F.  TOTAL NUMBER OF ANIMALS  ( COLUMNS C + D + E)
4. Dogs	3	10	73	8	83
5. Cats	/	4	30	Ø.	34
6. Guinea Pigs	3				
7. Hamsters					
8. Rabbits					
9. Non-human Primate					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals			3	Ø .	3
quirel/amts					;

## ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to guerage the adequacy of other separate of animal care and

The attending veterinarian for this research facility has appropriate and the second sec	authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects	s of animal care and			
CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL ( Chief Executive Officer or Legally Responsible Institutional Official )					
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print	DATE SIGNED			
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This report is required by law (7 USC 2143). Failure to report according to the regulations

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 52-R-0029

CUSTOMER NUMBER: 483

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Northern Virginia Community College Veterinary Technology Program 1000 Harry Flood Byrd Highway Sterling, VA 20164

Telephone: (703) -450-2525

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

## FACILITY LOCATIONS (Sites) - See Atached Listing

A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being-bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F.  TOTAL NUMBEF OF ANIMALS  ( COLUMNS C + D + E )
4. Dogs	3	10	73	8	83
5. Cats	/	4	30	Ø	34
6. Guinea Pigs	3				
7. Hamsters					
8. Rabbits					
9. Non-human Primate					·
10. Sheep					
11. Pigs			·		
12. Other Farm Animals					
	·				
13. Other Animals	·		3	Ø ·	3
wirrel/arats					ૅક

#### **ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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4) The attending veterinarian for this research facility has appropriate a	authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects	s of animal care and			
CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)					
SIGNATURE OF CEO OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF CEO. OD INSTITUTIONAL OFFICIAL / Time of Drink	IDATE SIGNED			
		10/24/2			

s obsolete.

This report is required by law (7 USC 2143). Failure to report according to the regulations

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 52-R-0029

CUSTOMER NUMBER: 483

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Northern Virginia Community College Veterinary Technology Program 1000 Harry Flood Byrd Highway Sterling, VA 20164

Telephone: (703) -450-2525

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

#### FACILITY LOCATIONS (Sites) - See Atached Listing

, I	relieving drugs.	and for which appropriate anesthetic, a	interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	( COLUMN C + D + E
3	10	73	8	83
	4	30	Ø	34
3			•	
			•	
		3	Ø	3
				•
			3	3

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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The attending veterinarian for this research facility has appropriate	authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects	of animal care and			
CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL ( Chief Executive Officer or Legally Responsible Institutional Official )					
SIGNATURE OF CEO OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OD INSTITUTIONAL OFFICIAL / Time or Print	Inate signed			
		10/24/0			

This report is required by law (7 USC 2143). Failure to report according to the regulations can

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 52-R-0029

CUSTOMER NUMBER: 483

FORM APPRI OMB NO. 0579-0000

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Northern Virginia Community College Veterinary Technology Program 1000 Harry Flood Byrd Highway Sterling, VA 20164

Telephone: (703) -450-2525

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being-bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F.  TOTAL NUMBE OF ANIMALS  ( COLUMNS C + D + E)
4. Dogs	3	10	73	Ø	83
5. Cats	/	4	30	Ø	34
6. Guinea Pigs	3				
7. Hamsters					
8. Rabbits					
9. Non-human Primate					
0. Sheep					
1. Pigs					
2. Other Farm Animals					
3. Other Animals			3	Ø	3
yeurrei/2 rats					٠.۵

## ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIA	L
( Chief Executive Officer or Legally Responsible Institutional Official )	

**IDATE SIGNED** 

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF CEO OR INSTITUTIONAL OFFICIAL / Type or Print

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. CERTIFICATE NUMBER: 52-R-0103
CUSTOMER NUMBER: 485

FORM APPROVED OMB NO. 0579-0036

P P L Therapeutics, Inc. 1700 Kraft Drive Suite 2400 Blacksburg, VA 24060

OCT 25 2002

Telephone: (540) -961-5559

3. REPORTING FACILITY ( List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary )

### FACILITY LOCATIONS (Sites) - See Atached Listing

A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being-bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F.  TOTAL NUMBER OF ANIMALS  ( COLUMNS C + D + E )
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	18	0	35		35
9. Non-human Primate					
10. Sheep					
11. Pigs	177	91	96		187
12. Other Farm Animals					
13. Other Animals					
cattle	25	7	0		۶ 7

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL ( Chief Executive Officer or Legally Responsible Institutional Official)					
SIGNATURE OF E C OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF CIE O OD INSTITUTIONAL OCCICIAL 17-00 or Dist	DATE SIGNED			

62 P 102

Facility Locations:

PPL Therapeutics Inc.

Farm location 3075 Catawba Road Blacksburg, VA 24060

VPI Central Viviarium Litton Reaves Hall Blacksburg, VA 24061

1. CERTIFICATE NUMBER: 52-R-0105

CUSTOMER NUMBER: 1662

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

( TYPE OR PRINT )

University Of Richmond 28 Westhampton Way Richmond, VA 23173

NOV 22 2002

Telephone: (999) -999-9999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY ( Attach additional sheets if necessary or use APHIS Form 7023A )						
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F.  TOTAL NUMBER OF ANIMALS  ( COLUMNS C + D + E)		
4. Dogs							
5. Cats							
6. Guinea Pigs							
7. Hamsters							
8. Rabbits							
9. Non-human Primate							
10. Sheep							
11. Pigs							
12. Other Farm Animals							
13. Other Animals							
RICE RATS	55	55	Ø	Ø	55		
GERBILS	105	70	Ø	Ø	<sup>°</sup> 70		

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL ( Chief Executive Officer or Legally Responsible Institutional Official )					
SIGNATURE OF CEO OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print	DATE SIGNED			
/		11-18-02			

November 18, 2002

Certificate Number 52-R-0105

Facility Locations University of Richmond University of Richmond, VA 23173

Telephone number – 804/289-8417

(b)(6), (b)(7)c

Gottwald Science Center

Biology and Chemistry

Richmond Hall

Psychology

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 52-R-0106 CUSTOMER NO. 12652

FORM APPROVED OMB NO. 0579-0036

# ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

VA SCIENTIFIC RESEARCH, INC. 1866 E MARKE ST, SUITE 327 HARRISONBURG, VA 22801

	I			
<ol> <li>REPORTING FACILITY (List all locations where animals were housed or used in actual research sheets if necessary.)</li> </ol>	, testing, teaching, or experimentation, or held for these purposes. Attach additional			
FACILITY LOCATIONS (sites)				
VA SCIENTIFIC RESEARCH, INC. BROADWAY, VA 22815				

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-Human Primates					
10. Sheep					·
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
	·				
	·				

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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL  (Chief Executive Officer or Legally Responsible Institutional official)  I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)				
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED		
		01/08/2003		

See attached form for additional information

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. CERTIFICATE NUMBER: 52-R-0107

CUSTOMER NUMBER: 12155

FORM APPROVED OMB NO. 0579-0036

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

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Operational And Emergency Medical Support Group Skills Course

10201 Fairview Partlow, VA 22534

NOV 29 2002

Telephone: (301) -610-2180

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

#### FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY ( Attach additional sheets if necessary or use APHIS Form 7023A )					
A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F.  TOTAL NUMBER OF ANIMALS  ( COLUMNS C + D + E )
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primate					
10. Sheep					
11. Pigs			169		169
12. Other Farm Animals					
13. Other Animals				·	

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